

23 4H. (New) The development environment of Claim 1, wherein the PPD generator generates the second PPD file that is adapted for a second software platform.

REMARKS

Summary of the Office Action

Claims 1-10 are considered in the Office action.

Claims 3-6 and 10 have been rejected under 35 U.S.C. § 102(e) as anticipated by deSilva U.S. Patent No. 5,857,064 ("deSilva").

Claims 1-2 and 7-9 have been rejected under 35 U.S.C. § 103(a) as obvious over deSilva in view of Andrews et al. U.S. Patent No. 5,768,564 ("Andrews").

Reply to the § 102(e) Rejections

Claims 3-6 and 10 have been rejected under 35 U.S.C. § 102(e) as anticipated by deSilva. Applicant has canceled claims 5-6 and 10 without prejudice. Amended claims 3 and 4 recite methods for generating or revising a PPD text file, the methods comprising providing a base PPD text file that comprises information regarding a printer, the information including text in a first language, the base PPD text file adapted for a first software platform, providing a build file that comprises information as to how the base PPD text file should be edited to provide a second PPD text file that includes text translated from the first language to a second language, and implementing the build file to generate the second PPD text file. deSilva does not describe or suggest such methods.

Instead, deSilva describes an object-oriented printing interface that includes a method for transforming graphical objects that are too complex to be directly translated to the printing device's command primitives. (Col. 5, lines 4-7). In particular, deSilva describes application program 402 that communicates with operating system 406 via object-oriented printing interface 424. (Col. 9, lines 42-55; FIG. 4). Application program 402 sends graphic objects to object-oriented printing interface 424, which performs various formatting and pagination functions. (Col. 9, lines 55-60). The formatted information is then transmitted to grafport 410, and then to printer

handler 414. (Col. 9, lines 60-66). Printer handler 414 processes the incoming graphic objects and adds necessary printer commands to control printer 422. (Col. 10, lines 2-5). The resulting printer data stream is provided to printer 422 via printer port 418. (Col. 10, lines 5-10).

As part of the printing process, the printer handler "reads" the printer's "personality document" to access information regarding the printer configuration and resolution, print job description, and the print device object that converts graphic data into the printer's imaging model. (Col. 12, lines 36-51). A personality document "is created for each type of printer that a printer handler is created for." (Col. 13, lines 28-29). In addition, deSilva lists selected entries from an Adobe PostScript Printer Description ("PPD") file that illustrates features of the PPD that can be used to determine attributes of a PostScript printer. (Col. 18, line 29 through Col. 19, line 5).

Although deSilva includes a brief discussion of the use of information included in a PPD file, deSilva does not describe or suggest anything else related to the claimed invention. In particular, deSilva does not describe or suggest methods for generating or revising a PPD text file, the methods comprising: (1) providing a base PPD text file that comprises information regarding a printer, the information including text in a first language, the base PPD text file adapted for a first software platform; (2) providing a build file that comprises information as to how the base PPD text file should be edited to provide a second PPD text file that includes text translated from the first language to a second language; and (3) implementing the build file to generate the second PPD text file. Indeed, deSilva contains no discussion or suggestion related to any type of file that includes information as to how a base PPD text file should be edited to provide a second PPD text file that includes text translated from a first language to a second language. Because deSilva fails to describe or suggest applicant's invention, applicant respectfully requests that the rejection of claims 3 and 4 be withdrawn.

Reply to the § 103 Rejections

Claims 1-2 and 7-9 have been rejected under 35 U.S.C. § 103(a) as obvious over deSilva in view of Andrews. Applicant has canceled claims 7 and 8 without prejudice. Amended claims 1, 2 and 9 recite a development environment for producing a PPD text file, the development environment comprising a base PPD text file that

comprises information regarding a printer, the information including text in a first language, and a PPD generator adapted to import the base PPD text file and to generate therefrom a second PPD text file that includes text translated from the first language to a second language.

Andrews describes methods and apparatus for automatically translating software source code from one high-level programming language to source code in another high-level programming language. (Col. 2, lines 56-59; Col. 4, lines 13-18). In particular, Andrews describes the "Rosetta Translator," that translates software source code from "portable Transaction Application Language (pTAL) to C++." (Col. 4, lines 18-22). Andrews does not, however, describe anything related to PPD text files, or a PPD generator adapted to import a base PPD text file and to generate therefrom a second PPD text file that includes text translated from the first language to a second language. Indeed, Andrews does not describe or suggest anything relevant to the claimed invention.

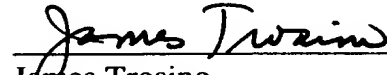
Moreover, neither deSilva or Andrews include any discussion or suggestion to combine the teachings of the two irrelevant references. deSilva is concerned with an object-oriented printing interface, and Andrews relates to high-level software source code language conversion. Nothing in either reference would motivate a person of ordinary skill in the art to somehow combine the references. Further, even if there were some suggestion or motivation to combine deSilva with Andrews, it is unclear how the two references could be combined to produce anything that would be useful for any purpose.

Because the cited references do not describe or suggest the claimed invention, applicant respectfully requests that the Examiner withdraw the rejection of amended claims 1, 2 and 9.

Conclusion

For the reasons stated above, applicant submits that this application, including amended claims 1-4, 9 and new claim 11, is allowable. Applicant therefore respectfully requests that the Examiner reconsider and allow this application.

Respectfully submitted,



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Version of Amended Claims with Markings to Show Changes Made

1. (Twice Amended) A development environment for producing a [platform-language constellation of] PostScript® printer description (PPD) text file[s] associated with a printer, the development environment comprising:

[at least one] a base [printer description (PPD)] PPD text file [for a single natural] that comprises information regarding the printer, the information including text in a first language, the base PPD text file adapted for a first software [and a single] platform [combination for a particular printer]; and

a PPD generator [connected] adapted to import the [at least one] base PPD text file and to generate therefrom a [plurality of] second PPD text file[s for a variety of languages and platforms] that includes text translated from the first language to a second language.

2. (Twice Amended) The development environment of Claim 1, further comprising[:

at least one] a build file that describes a product or platform specific set of features of the base PPD text file.

3. (Twice Amended) A method for generating [an original set of] a PostScript® printer description (PPD) text file[s] associated with a printer, the method comprising [the steps of]:

providing a [at least one] base PPD text file [for a single natural] that comprises information regarding the printer, the information including text in a first language, the base PPD text file adapted for a first software [and a single] platform [combination for a particular printer];

providing [at least one] a build file that comprises information as to how the base PPD text file should be edited to provide a second PPD text file that includes text translated from the first language to a second language [describes a product or platform specific set of features of the base PPD and supported natural languages]; and

implementing the build file to generat[ing]e the second PPD text file [at least one set of PPD files from the base PPD and the build file].

4. (Twice Amended) A method for revising [an original set of] a PostScript® printer description (PPD) text file[s] associated with a printer, the method comprising [the steps of]:

[beginning with at least one] providing a base PPD text file that comprises information regarding the printer, the information including text in a first language, the base PPD text file adapted for a first software platform, and [at least one] a build file that [are responsible for generating at least one PPD file for at least one specific target environment] comprises information as to how the base PPD text file should be edited to provide a second PPD text file that includes text translated from the first language to a second language;

[wherein the at least one build file contains information as to how the at least one base PPD is to be edited for supported natural languages;]

modifying the [at least one] base PPD [and/or the at least one build] text file to provide a [into corresponding] revised PPD [and/or build] text file[s]; and

implementing the build file to generat[ing]e a [revised set of] second PPD text file[s] from the revised [base] PPD [and/or build] text file.

9. (Twice Amended) The development environment of Claim [8] 1, wherein[:]
the PPD generator parses the [at least one] base PPD text file and the [at least one] build file into text based instructions that [are] may be parsed and assembled by PostScript® printer drivers.